



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06

Site Name Fansteel/FMRI Metals CERCLIS ID# OKD007221831

Alias Site Names _____

Address 10 Tantalum Place

City/County or Parish/State/Zip Code Muskogee, Muskogee, Oklahoma 74401

Report Type, Date, and Author Site Reassessment, June 2018, ODEQ

RECOMMENDATION

<input type="checkbox"/> 1 No Further Remedial Action Planned under Superfund (NFRAP)	<input checked="" type="checkbox"/> 2 Further Investigation Needed Under Superfund												
	<table border="0"><tr><td><input type="checkbox"/> PA</td><td><input type="checkbox"/> HRS</td><td>Priority <input checked="" type="checkbox"/> High</td></tr><tr><td><input type="checkbox"/> SSI</td><td><input type="checkbox"/> RA</td><td><input type="checkbox"/> Medium</td></tr><tr><td><input checked="" type="checkbox"/> ESI</td><td><input type="checkbox"/> RI/FS</td><td><input type="checkbox"/> Low</td></tr><tr><td><input type="checkbox"/> Other _____</td><td colspan="2"></td></tr></table>	<input type="checkbox"/> PA	<input type="checkbox"/> HRS	Priority <input checked="" type="checkbox"/> High	<input type="checkbox"/> SSI	<input type="checkbox"/> RA	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> ESI	<input type="checkbox"/> RI/FS	<input type="checkbox"/> Low	<input type="checkbox"/> Other _____		
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<input type="checkbox"/> Other _____													
<input type="checkbox"/> 3 Action Deferred to	To be performed by <u>ODEQ/EPA</u>												
<input type="checkbox"/> RCRA <input type="checkbox"/> NRC													

NOTIFY AUTHORITY

<input type="checkbox"/> Removal	<input type="checkbox"/> RCRA	<input type="checkbox"/> TSCA	<input type="checkbox"/> CAA	<input type="checkbox"/> SMCRA
<input type="checkbox"/> Remedial	<input type="checkbox"/> State	<input type="checkbox"/> NPDES	<input type="checkbox"/> NRC	<input type="checkbox"/> Resource Trustee _____
<input type="checkbox"/> CERCLA Enforcement	<input type="checkbox"/> Federal Facility	<input type="checkbox"/> UIC	<input type="checkbox"/> SPCC	<input type="checkbox"/> Other _____
SEND SSSR COPIES TO	<input type="checkbox"/> 6SF-TE	<input type="checkbox"/> 6WQ-SP	<input type="checkbox"/> ATSDR	<input checked="" type="checkbox"/> State Agency <input type="checkbox"/> Other

DISCUSSION

This site extracted tantalum and columbium from uranium ore, thorium ore, and tin slag feedstock by using an acid digestion process. The site operated from 1956 to 1989. Primary solvents and chemicals used in the extraction are hydrofluoric acid, sulfuric acid, methyl isobutyl ketone and anhydrous ammonia. The resultant byproduct is waste slurry containing low level radioactive material which was disposed of onsite into ponds. These ponds according to previous data are not all lined.

Previous sampling results showed organic, inorganic and radioactive contamination onsite. Readings of alpha and gross beta particles were detected in the soil samples. Radioactive and non-radioactive contamination remain onsite, in waste pond sludges, as contaminated soil, and as contamination in buildings and equipment.

Presently site operations have been limited to environmental monitoring, groundwater treatment, maintenance of buildings, grounds, and equipment remaining at the site, and cleanup of operating areas.

Based on the available information, the potential impact to public health and the environment as a result of activities at the site does exist. In order to properly evaluate the disposition of the site, it is recommended that an ESI is conducted to determine the nature and extent of contamination at the site.

APPROVALS

Report Reviewed by Philip Ofosu
(Site Assessment Manager 6SF-TR)

Signature Philip Ofosu

Date Feb/22/19

Disposition Approved by Chris Villarreal
(Section Chief 6SF-TR)

Signature Chris Villarreal

Date 3/4/2019

